

ABSTRACT OF THE DISCLOSURE

A method and an apparatus for encoding/decoding RS(Reed-Solomon) code using binary equivalence method of bit level comprises: a binary conversion unit for conversing non-binary symbols outputted from a source information inputting unit into binary symbols and getting bit level RS code using binary equivalence of the RS code; a encoding unit generating row and column vectors using the bit level RS code as a component code; and a decoding unit for decoding the row and column vectors using the binary equivalence of the RS code for the bit level RS sequence; whereby branch complexity is reduced than a case of using non-binary symbols, and the size of interleaver is greatly enlarged in bit level.